

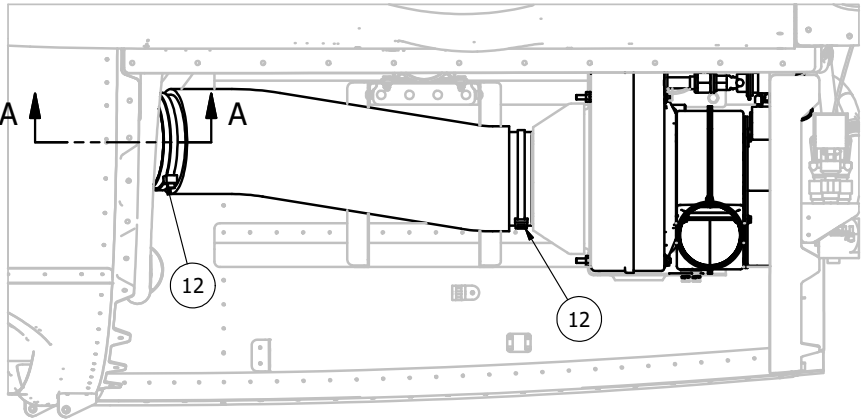
-1 AND -3 INLET PLENUM INSTALLATION

NOTE:

1. WET INSTALL RIVETS WITH PRIMER PER MIL-PRF-23377J TYPE I, CLASS N.
2. TORQUE ALL FASTENERS PER BHT-ALL-SPM CHAPTER 2.
3. SEAL AND WET INSTALL USING ADHESIVE SEALANT, 299-947-107, TYPE III, CLASS 7, MIL-S-8802, CLASS B2 OR PROSEAL 890-B2. ALL SURFACES TO BE CLEANED IN ACCORDANCE WITH BHT-ALL-SPM.
4. APPLY TEFLON TAPE, 299-947-110, AT LOCATIONS WHERE DUCT WILL BE IN CONTACT TO PREVENT CHAFING.
5. TOUCH-UP FINISH PER BHT-ALL-SPM CHAPTER 4.
6. ADD ES00135-2 INSULATION AFTER INSTALLATION.
7. NOTE ORIENTATION OF DOUBLER BEFORE MATCH DRILLING FASTENER HOLES.
8. CONSUMABLE MATERIALS ARE NOT PROVIDED. REFER TO THE PR-505AC-900M INSTALLATION INSTRUCTIONS.
9. REMOVE WIRE (ABOUT 1"-1.5" OF DUCT LENGTH) FROM INSIDE OF DUCT ASSEMBLY AT EACH END TO FACILITATE INSTALLATION ON DUCT ADAPTORS. **NOTE:** USE PLIERS TO BEND ABOUT 1/2" AT EACH END OF WIRE AFTER CUTTING TOWARD THE INSIDE DUCT TO PREVENT PUNCTURING DUCT FABRIC.
10. AFTER INSTALLATION, COAT ALL VISIBLE FASTENER HEADS AND ANY METAL SURFACES OF THE AIR CONDITIONING SYSTEM LOCATED IN THE COCKPIT AREA WITH ONE LAYER OF FLAT BLACK FINISH PER MIL-PRF-85285 TYPE 1 CLASS H, COLOR 37038 BLACK. GLOSS: 5 UNITS MAXIMUM AT 60° AND 9 UNITS MAXIMUM AT 20°.
11. WHEN ATTACHING DUCTING, IT IS OPTIONAL TO PLACE A SINGLE LAYER OF TAPE ON THE DUCT ADAPTER, THEN INSTALL THE DUCT USING THE APPROPRIATE TY WRAP, THEN PLACE A SINGLE LAYER OF TAPE OVER THE TY WRAP.TAPE SPECIFICATION A-A-59163 Ty
12. PART OF BASE AIRCRAFT S/N 65170 AND SUBSEQUENT, PROVIDE FOR -1 ASSEMBLY ONLY.
13. MODIFICATIONS ONLY APPLICABLE ON -1 ASSEMBLY.
14. BULK ES00135-2 INSULATION MAY BE USED AS NECESSARY TO PATCH OR COVER EXPOSED AREAS

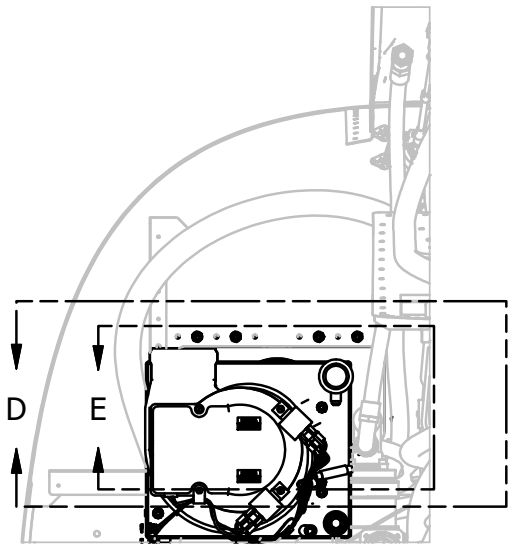
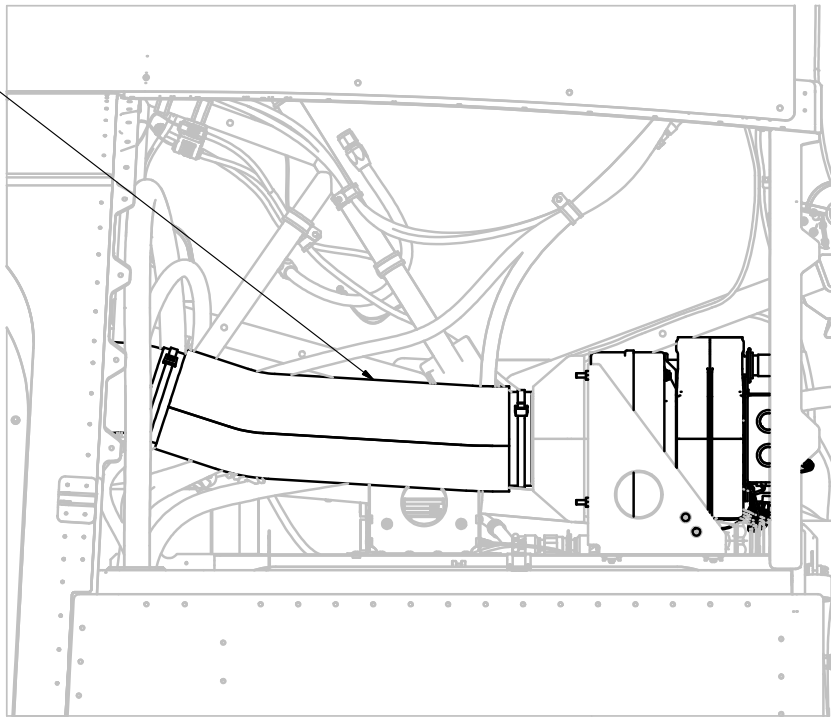
REVISION HISTORY						
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED	
11/15/16	A	ADDED NOTES 6, 7 AND 8; ADDED RADIUS TO CUTOUT IN DETAIL D.	JT	LS	JT	
5/11/17	B	ADDED NOTE 9	EW	LS	JT	
6/2/17	C	ADDED NOTE 10	EW	LS	JT	
7/14/17	D	BOM ITEM 1 WAS 4 IN X 30 IN 0.250" THK, NOTE 6 WAS "ADD K-FLEX 0.250" THICK INSUL-SHEET PSA INSULATION AFTER INSTALLATION" (INSUL SHEET WAS ASSIGNED A PN FROM A CONTROL DWG FOR PROCUREMENT FLEXIBILITY), FILLED IN APPROVED INITIALS REVS B & C.	EW	LS	JT	
9/22/17	E	ADDED NOTE #11	PM	LS	JT	
2/27/18	F	SHT. 1 NOTE 10 COLOR WAS 37208.	EW	LS	JT	
7/9/18	G	ADDED -3 CONFIGURATION AND BOM; SHT 1, ADDED NOTES 12, 13; SHT 2 ADDED NOTE 12 DETAIL B & SECTION C-C; SHT 3 ADDED NOTE 13 TO DETAIL D	ZA	LS	MEH	
4/19/19	H	SHT 1, NOTE #10, ADDED GLOSS RATING, ADDED NOTE 14, ADDED TEXT ON INSULATION ORIENTATION TO ITEM 7 BALLOON; CHANGED ITEM 12: WAS AN525-10R14 NOW AN525-10R12 WITH (PAINTED FLAT BLACK) IN DESCRIPTION; ADDED -3 CONFIG TO REV G DESCRIPTION	ZA	LS	ZA	
8/5/20	J	FIXED -1 BOM BY ADDING BACK ITEMS 2, 9, 10; SHT 2: BUBBLE ITEM 66 CORRECTED TO ITEM 8	ZA	DT	MH	

TOP VIEW
←----- FWD



INSTALL WITH INSULATION SEAM FACING INBOARD

LEFT SIDE VIEW
←----- FWD

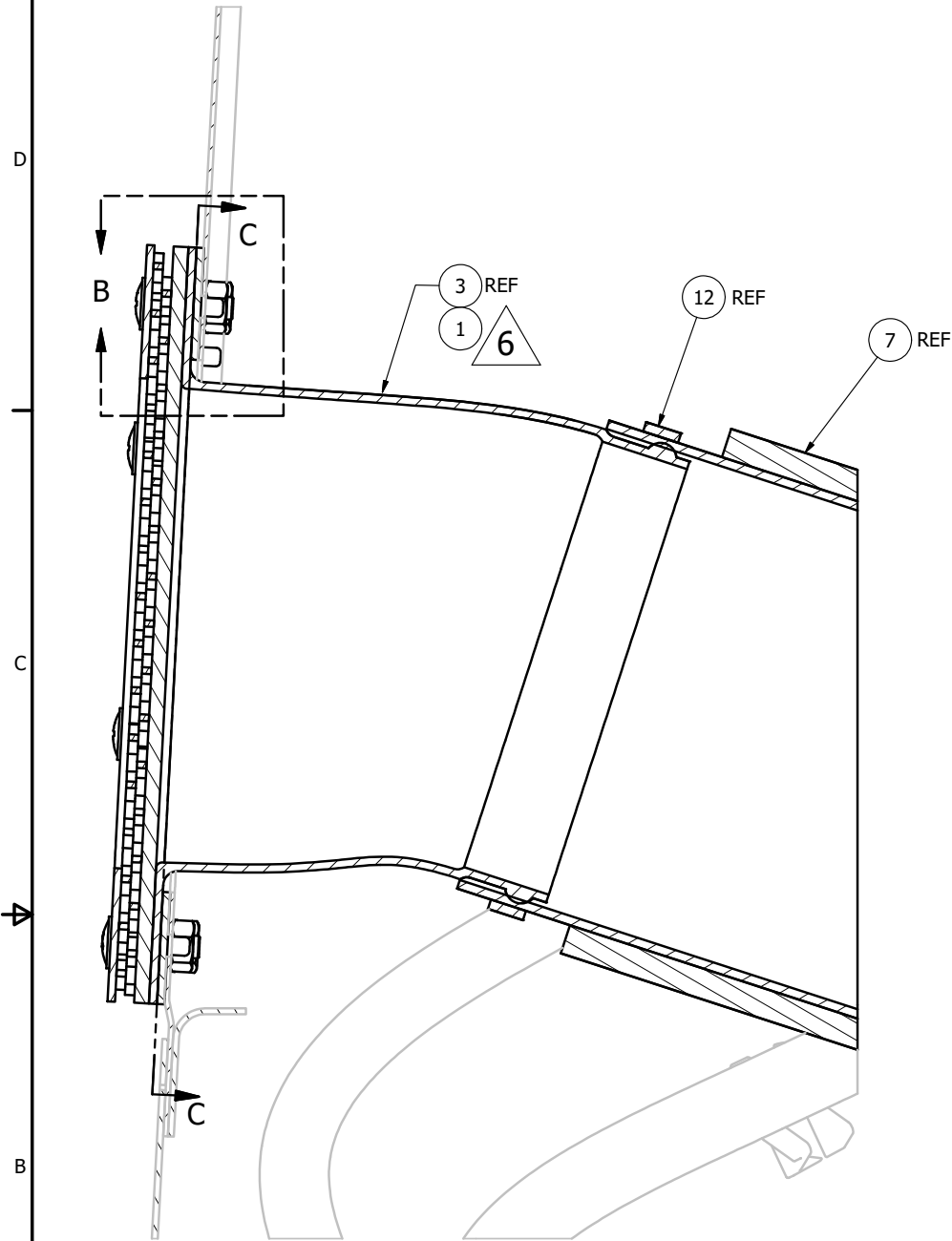


VIEW LOOKING FWD

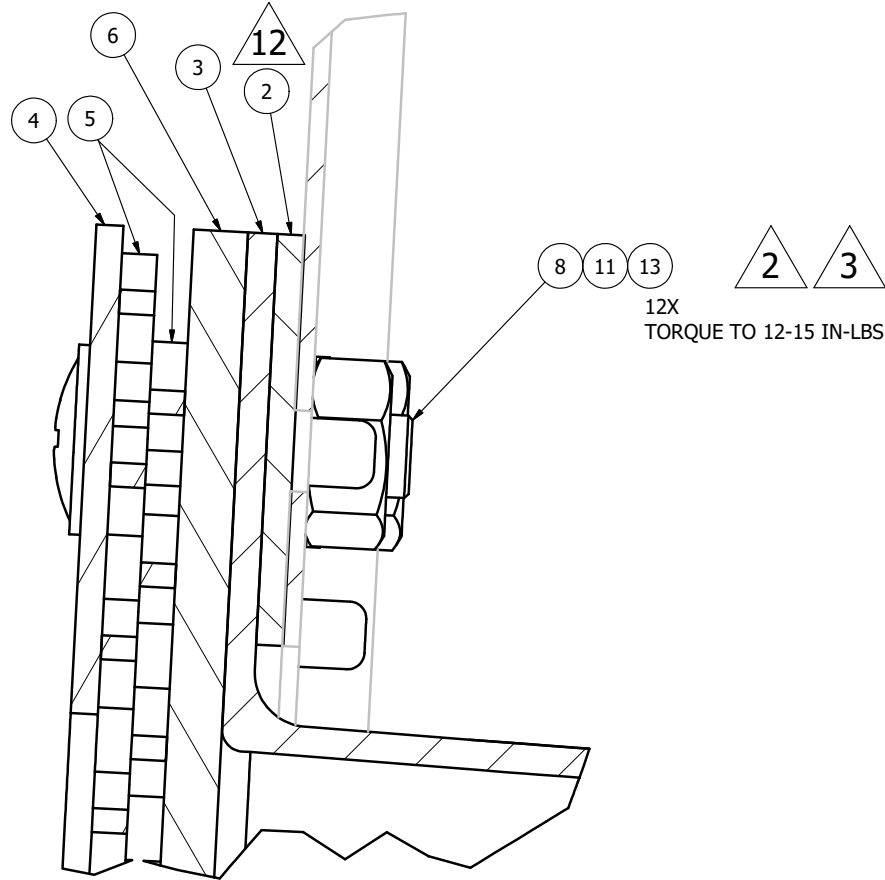
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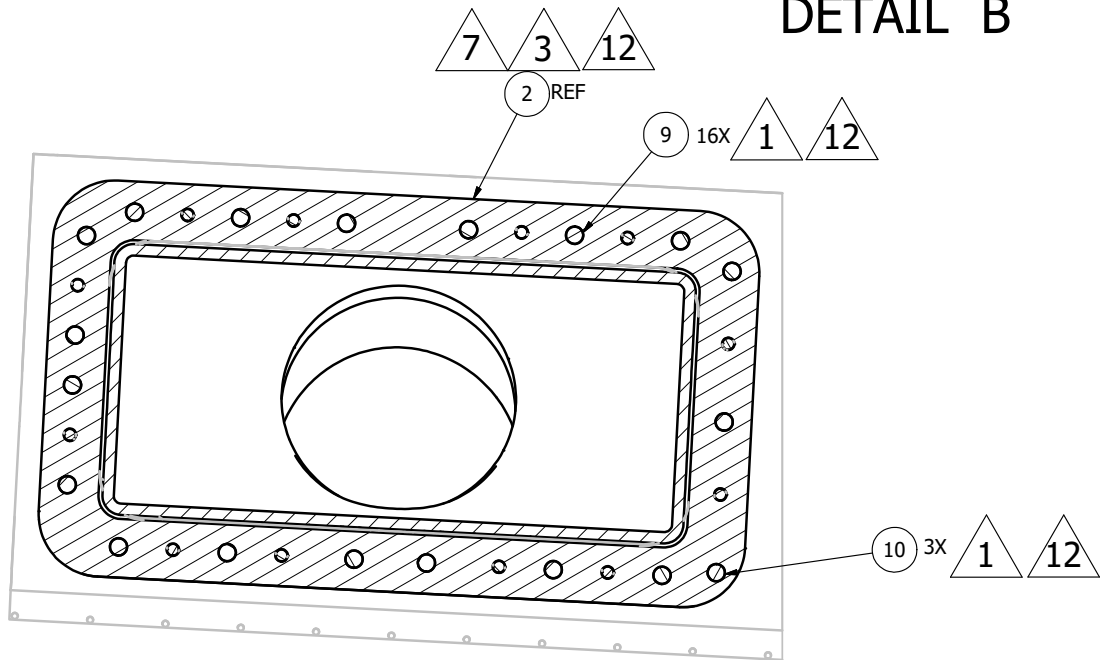
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SECTION A-A



DETAIL B



SECTION C-C

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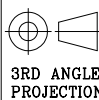
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Technology Inc.

DIMENSIONS IN INCHES
TOLERANCES EXCEPT
WHERE NOTED:
.X = ±.1
.XX = ±.05
.XXX = ±.010
ANGLES = ± 1°

THREADS:
INTERNAL: CLASS 2B
EXTERNAL: CLASS 2A

TITLE
INLET PLENUM
INSTALLATION

DRAWN BY	CHK'D BY	APRVD. BY	DATE
JT	LS	JT	6/22/16

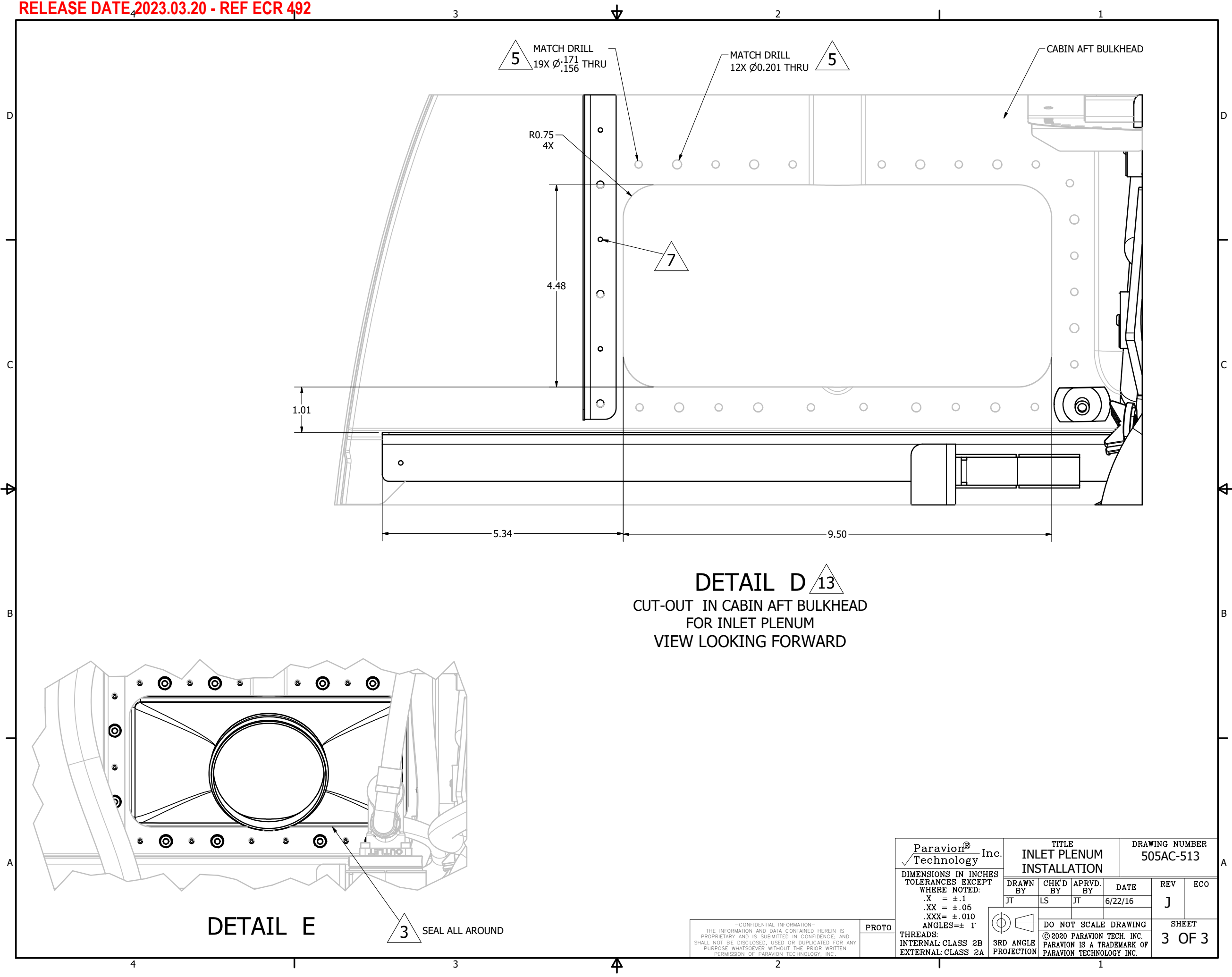


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505AC-513

REV	ECO
J	

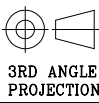
SHEET
2 OF 3



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.X = ±.1
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ANGLES=± 1°
THREADS:
INTERNAL: CLASS 2B
EXTERNAL: CLASS 2A



3RD ANGLE
PROJECTION

TITLE
INLET PLENUM
INSTALLATION
DRAWN BY
JT
CHK'D BY
LS
APRVD. BY
JT
DATE
6/22/16
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DRAWING NUMBER
505AC-513
REV
J
ECO
SHEET
3 OF 3

Bill of Materials

*505AC-513-1, REV. J

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-513-1, REV. J	INLET PLENUM INSTALLATION	1	KIT
1	ES00135-2	4 IN X 30 IN SHEET	1	EA
2	505AC-5130-10	INLET DOUBLER	1	EA
3	505AC-5130-2	AFT CABIN INLET	1	EA
4	505AC-5130-3	INLET DUCT BEZEL	1	EA
5	505AC-5130-4	INLET DUCT SCREEN	1	EA
6	505AC-5130-5	INLET DUCT FILTER	1	EA
7	505AC-5130-9	INSULATED DUCT	1	EA
8	AN525-10R12	SCREW (PAINTED FLAT BLACK)	12	EA
9	MS20426AD5-4	RIVET	16	EA
10	MS20426AD5-4.5	RIVET	3	EA
11	MS21083N3	LOCK NUT	12	EA
12	MS3367-6-0	ZIP TIE	2	EA
13	NAS1149D0332J	WASHER	12	EA

Bill of Materials

*505AC-513-3, REV. J

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-513-3, REV. J	INLET PLENUM INSTALLATION	1	KIT
1	ES00135-2	4 IN X 30 IN SHEET	1	EA
3	505AC-5130-2	AFT CABIN INLET	1	EA
4	505AC-5130-3	INLET DUCT BEZEL	1	EA
5	505AC-5130-4	INLET DUCT SCREEN	1	EA
6	505AC-5130-5	INLET DUCT FILTER	1	EA
7	505AC-5130-9	INSULATED DUCT	1	EA
8	AN525-10R12	SCREW (PAINTED FLAT BLACK)	12	EA
11	MS21083N3	LOCK NUT	12	EA
12	MS3367-6-0	ZIP TIE	2	EA
13	NAS1149D0332J	WASHER	12	EA